

**1443**      **C<sub>3</sub>H<sub>12</sub>BP**      **Trimethylphosphine – borane (1/1)**

**C<sub>3v</sub>**  
(CH<sub>3</sub>)<sub>3</sub>P · BH<sub>3</sub>

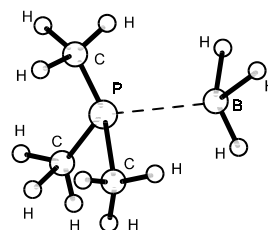
$r_g$	Å <sup>a)</sup>	$\theta_\alpha$	deg <sup>a)</sup>
B–H	1.225(11)	P–C–H	109.7(2)
P–B	1.899(6)	H–B–H <sup>b)</sup>	109.2(6)
C–P	1.815(3)	C–P–C <sup>b)</sup>	104.8(3)
C–H	1.103(2)	P–B–H <sup>b)</sup>	109.8(7)
H...H (BH <sub>3</sub> )	1.990(30)	B–P–C <sup>b)</sup>	113.8(3)
C...C	2.870(4)		

The nozzle temperature was 349 K.

<sup>a)</sup> Estimated limits of error.

<sup>b)</sup> Dependent parameter.

Iijima, K., Hakamata, Y., Nishikawa, T., Shibata, S.: Bull. Chem. Soc. Jpn. **61** (1988) 3033.



MW

$r_0$	Å	$\theta_0$	deg
B–H	1.212(10)	H–C–H	109.3(10)
P–B	1.901(7)	H–B–H	113.5(5)
C–P	1.819(10)	C–P–C	105.0(4)
C–H	1.08(2)		

Bryan, P.S., Kuczkowski, R.L.: Inorg. Chem. **11** (1972) 553.